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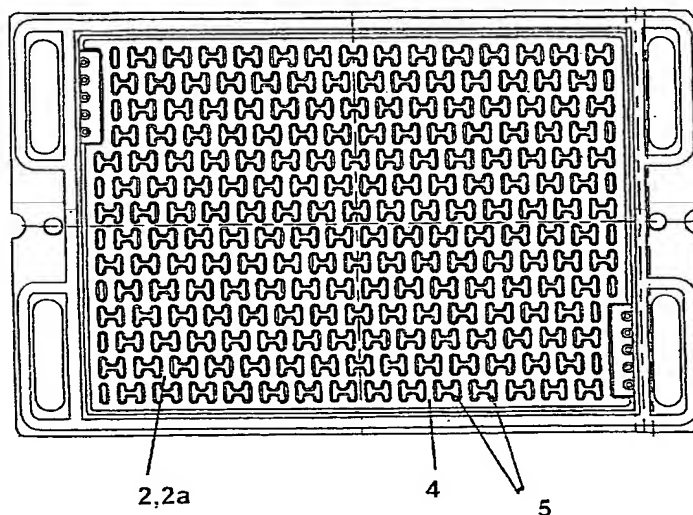
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(54) Title: A BIPOLAR PLATE AND ITS USE, AS WELL AS A METHOD FOR ITS MANUFACTURE AND AN ELECTRO-CHEMICAL SYSTEM CONTAINING THE BIPOLAR PLATE



(57) Abstract: The present invention relates to a bipolar plate (1) for electrochemical systems which contains a first plate (2) with a first flowfield (2a) for media distribution as well as a second plate (3) with a second flowfield (3a) for media distribution. This first plate in the region of the first flow field at least in regions comprises a plane surface section (4) from which discrete projections (5) distanced to one another project arranged in a distributed manner. Furthermore a method for manufacturing this bipolar plate is suggested as well as an electrochemical system which contains this bipolar plate. According to the invention it is possible in an inexpensive manner to manufacture a bipolar plate which permits the construction of fuel cells functioning with a low peripheral consumption (pumps, compressors) and which are safer with regard to their operation.

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